



US009636088B2

(12) **United States Patent**  
**Lastella et al.**

(10) **Patent No.:** **US 9,636,088 B2**

(45) **Date of Patent:** **May 2, 2017**

(54) **FECAL SAMPLING DEVICE**

USPC ..... 436/518, 66, 64; 435/970; 422/421, 551  
See application file for complete search history.

(71) Applicant: **IMMUNOSTICS, INC.**, Ocean, NJ  
(US)

(56) **References Cited**

(72) Inventors: **Vincent P. Lastella**, Clark, NJ (US);  
**Kenneth Kupits**, Lanoka Harbor, NJ  
(US)

U.S. PATENT DOCUMENTS

(73) Assignee: **IMMUNOSTICS, INC.**, Ocean, NJ  
(US)

|              |      |         |                 |               |
|--------------|------|---------|-----------------|---------------|
| 3,965,888    | A *  | 6/1976  | Bender          | 600/572       |
| 4,055,394    | A *  | 10/1977 | Friedman        | G01N 33/54386 |
|              |      |         |                 | 422/401       |
| 4,559,949    | A *  | 12/1985 | Levine          | G01N 33/521   |
|              |      |         |                 | 422/409       |
| 7,427,505    | B2   | 9/2008  | LaStella        |               |
| D596,753     | S    | 7/2009  | LaStella        |               |
| D598,121     | S    | 8/2009  | LaStella        |               |
| 8,304,596    | B2   | 11/2012 | LaStella        |               |
| 8,679,420    | B2   | 3/2014  | LaStella et al. |               |
| 8,679,848    | B2   | 3/2014  | LaStella        |               |
| 2006/0018794 | A1 * | 1/2006  | LaStella        | 422/99        |
| 2008/0241940 | A1   | 10/2008 | LaStella        |               |
| 2009/0238720 | A1 * | 9/2009  | Kikta           | 422/58        |

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/573,131**

(22) Filed: **Dec. 17, 2014**

(Continued)

(65) **Prior Publication Data**

US 2016/0174947 A1 Jun. 23, 2016

*Primary Examiner* — Dennis M White

*Assistant Examiner* — Bryan Kilpatrick

(74) *Attorney, Agent, or Firm* — Stroock & Stroock &  
Lavan LLP

(51) **Int. Cl.**

**A61B 10/00** (2006.01)

**B01L 3/00** (2006.01)

**G01N 33/50** (2006.01)

**G01N 33/52** (2006.01)

**G01N 35/00** (2006.01)

(52) **U.S. Cl.**

CPC ..... **A61B 10/0038** (2013.01); **B01L 3/5055**  
(2013.01); **B01L 2200/025** (2013.01); **B01L**  
**2300/069** (2013.01); **B01L 2300/0809**  
(2013.01); **B01L 2300/0887** (2013.01); **B01L**  
**2300/126** (2013.01); **G01N 33/50** (2013.01);  
**G01N 33/525** (2013.01); **G01N 35/00029**  
(2013.01); **Y10S 435/97** (2013.01)

(58) **Field of Classification Search**

CPC ..... G01N 33/525; G01N 35/00029; Y10S  
435/97

(57) **ABSTRACT**

A specimen collection or a specimen collection and testing device having an embossed or raised section. In one embodiment the device includes a first panel with one or more apertures for receiving specimen and a second panel having a removable tab, the removable tab aligned with the one or more apertures when the device is assembled such that depositing specimen through the one or more apertures deposits the specimen on the removable tab. A cover has one or more embossed (or raised) sections that align with the one or more apertures when the cover overlays the first panel, thus helping to prevent adherence of the specimen to the inner surface of the cover.

**6 Claims, 6 Drawing Sheets**

